

FOR NATIONAL PHASE SUBMISSION

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CLAIM AMENDMENTS

WHAT IS CLAIMED IS:

This listing of the claims will replace all prior versions, and listing, of claims in the application:

1. (Currently Amended) ~~Valve~~ A valve body ~~with comprising~~ a needle ~~(22)~~ and a cartridge ~~(21)~~ with a recess ~~(211)~~, which takes in the needle ~~(22)~~ and which comprises on one of its ends a seat plate ~~(213)~~, that comprises a needle seat ~~(2132)~~ for the inward opening needle ~~(22)~~, ~~with wherein~~ the needle ~~(22)~~ further comprises esing a seat-part ~~(221)~~ with a sealing area ~~(222)~~, that rests on the needle seat ~~(2132)~~, if it is pushed against the needle seat ~~(2132)~~, ~~with wherein~~ the seat-part ~~(221)~~ comprises esing a cavity radially inwards from the sealing area ~~(222)~~ and covering in axial extension the sealing area ~~(222)~~, ~~characterized in, that, and wherein~~ the cavity is formed in proximity to the sealing area ~~(222)~~, and makes the seat-part flexible in the sealing area ~~(222)~~.

2. (Currently Amended) ~~Valve~~ A valve body ~~in accordance with~~ according to claim 1, ~~with wherein~~ the cavity ~~being is~~ formed as a blind hole ~~(223)~~.

3. (Currently Amended) A valve body according to claim 1, ~~comprising Valve body in accordance with one of the preceding claims~~ ~~with~~ a filler part ~~(226)~~, that is taken in the cavity.

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4. (Currently Amended) A valve body according to claim 3,
wherein Valve body in accordance with claim 3 with the filler part
~~(226)~~ protrudesing into a sack volume ~~(2133)~~ formed in the seat plate
~~(213)~~.

5. (Currently Amended) A valve body according to claim 3,
wherein Valve body in accordance with one of the claims 3 or 4, with
the filler part ~~(226)~~ consistsing of plastics.

6. (Currently Amended) A valve body according to claim 1,
wherein Valve body in accordance with one of the preceding claims
~~with~~ the cavity ~~being~~ is formed in an annular shape.

7. (Currently Amended) A valve body according to claim 6,
wherein Valve body in accordance with claim 6 with part of the seat
part ~~(221)~~ protrudesing into a sack volume ~~(2133)~~ formed in the seat
plate ~~(213)~~.

8. (Currently Amended) A valve body according to claim 1,
wherein Valve body in accordance with one of the preceding claims
~~with~~ the seat part ~~(221)~~ ~~being~~ is spherically shaped.

9. (Currently Amended) A valve body according to claim 8,
wherein Valve body in accordance with claim 8 with the seat part ~~(221)~~
~~being~~ is formed by a ball ~~(228)~~ with a hole passing through the ball
~~(228)~~, where into which the needle ~~(22)~~ is taken in and which forms
together with the needle ~~(22)~~ a cavity.

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10. (Currently Amended) A fluid injector ~~with comprising a housing (1), an actuator unit and a valve body (2) in accordance with one of the preceding claims~~ according to claim 1.

11. (NEW) A valve body comprising a needle movably arranged within a cartridge with a recess, wherein the cartridge comprises on one of its ends a seat plate that comprises a needle seat, wherein the needle further comprises a tip with a sealing area resting on the needle seat when pushed against the needle seat, and wherein the tip comprises a cavity in proximity to the sealing area.

12. (NEW) A valve body according to claim 11, wherein the cavity is formed as a blind hole.

13. (NEW) A valve body according to claim 11, comprising a filler part that is arranged within the cavity.

14. (NEW) A valve body according to claim 13, wherein the filler part protrudes into a sack volume formed in the seat plate..

15. (NEW) A valve body according to claim 13, wherein the filler part consists of plastics.

16. (NEW) A valve body according to claim 11, wherein the cavity has an annular shape.

17. (NEW) A valve body according to claim 16, wherein part of the tip protrudes into a sack volume formed in the seat plate.

18. (NEW) A valve body according to claim 11, wherein the tip is spherically shaped.

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19. (NEW) A valve body according to claim 18, wherein the tip is formed by a ball comprising a hole into which the needle is inserted, wherein the ball together with the needle define a cavity.

20. (NEW) A fluid injector comprising a housing, an actuator unit and a valve body according to claim 11.